Configuring the Brother HL 5370DW

The Brother HL 5370DW is a network printer that can be connected to a network with an Ethernet cable or wirelessly. Once the printer has been unpacked and setup per the HL-5370DW Quick Setup Guide, this guideline can be used to:

1. configure the network router [wired or wireless] with a fixed IP address for the printer
2. configure the printer to access the network wirelessly
3. install the printer driver
4. set the default printing preference to Duplex

It is recommended that the printer normally be connected to a wired router [Netgear RP-614] or a wireless router [Netgear WGR-614] with an Ethernet cable. If the printer has been configured to connect wirelessly to the network, the printer can be changed between cable and wireless by turning the printer off, connecting or disconnecting the network cable, and turning the printer back on.

The recommended IP address for the printer is 192.168.1.53. The printer has two MAC addresses [one for the Ethernet cable and another for wireless]. A wireless router can reserve this IP address for either MAC address but not both.

Note: These guidelines are for Windows XP and Vista operating systems. If the printer driver is to be installed on a Windows-7 computer, use the Windows-7 CD instead of the 5300 series CD.

Wired Networks

Wired networks are required when using TaxWise Online and may be used for TaxWise Desktop.

1. Connect the printer to the RP-614 router with a network cable and turn the printer on.
2. Using **Detailed Wired Router Setup**, later in this guideline, assign IP address 192.168.1.53 to this printer.
3. Using the Brother HL 5370DW CD, install the printer on computers connected to the network. For details, see **Installing the Printer Driver** later in this guideline.

Wireless Networks

Wireless networks are permitted only for printing when using TaxWise Desktop.

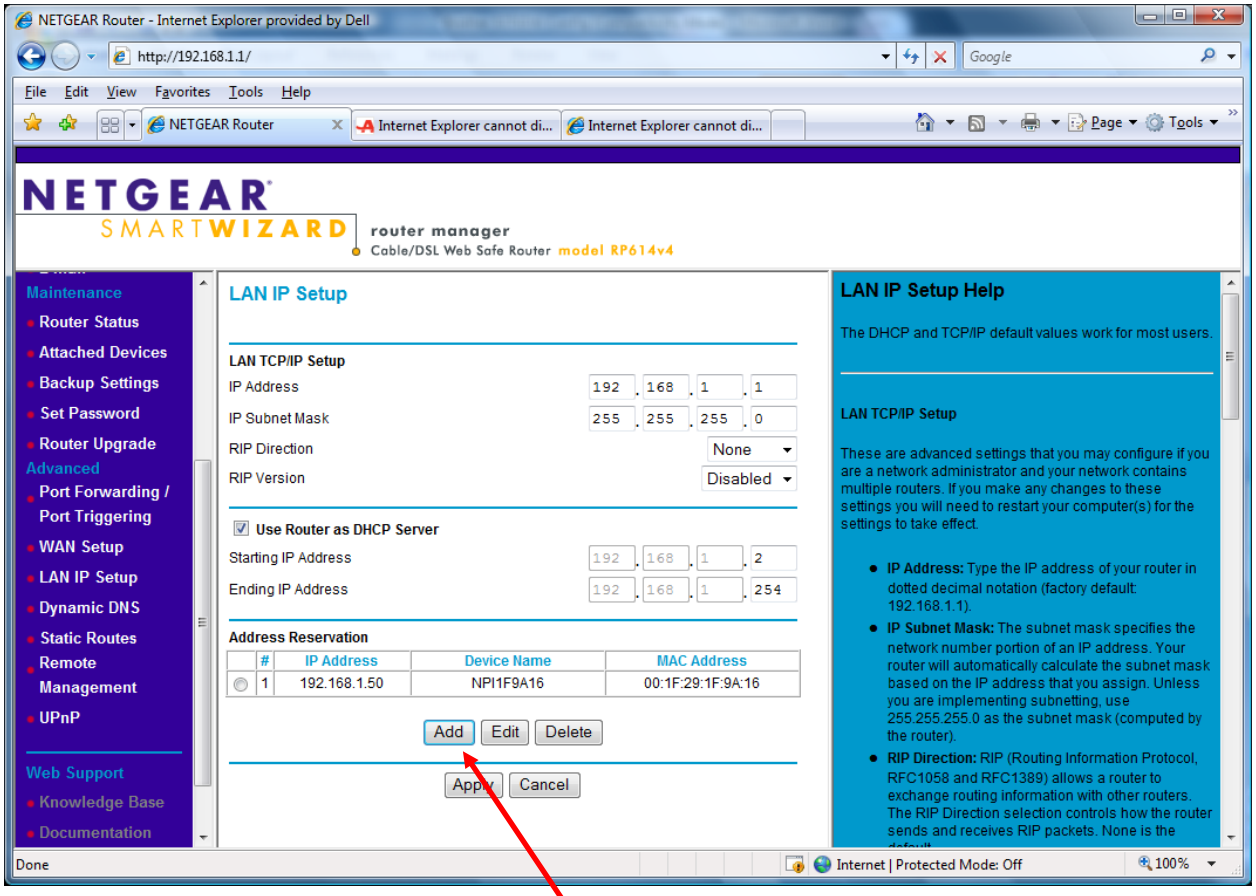
1. Connect the printer to the WGR-614 router
    a. with a network cable (Recommended)
    b. Wirelessly. For details, see **Detailed Wireless Printer Setup** later in this guideline
2. Using "Fixed IP Address for Network Printers" assign IP address 192.168.1.53 to this printer.
3. Using the Brother HL 5370DW CD, install the printer on computers connected to the network. For details, see **Installing the Printer Driver** later in this guideline.

Configuring the Brother HL 5370DW

Detailed Wired Router Setup

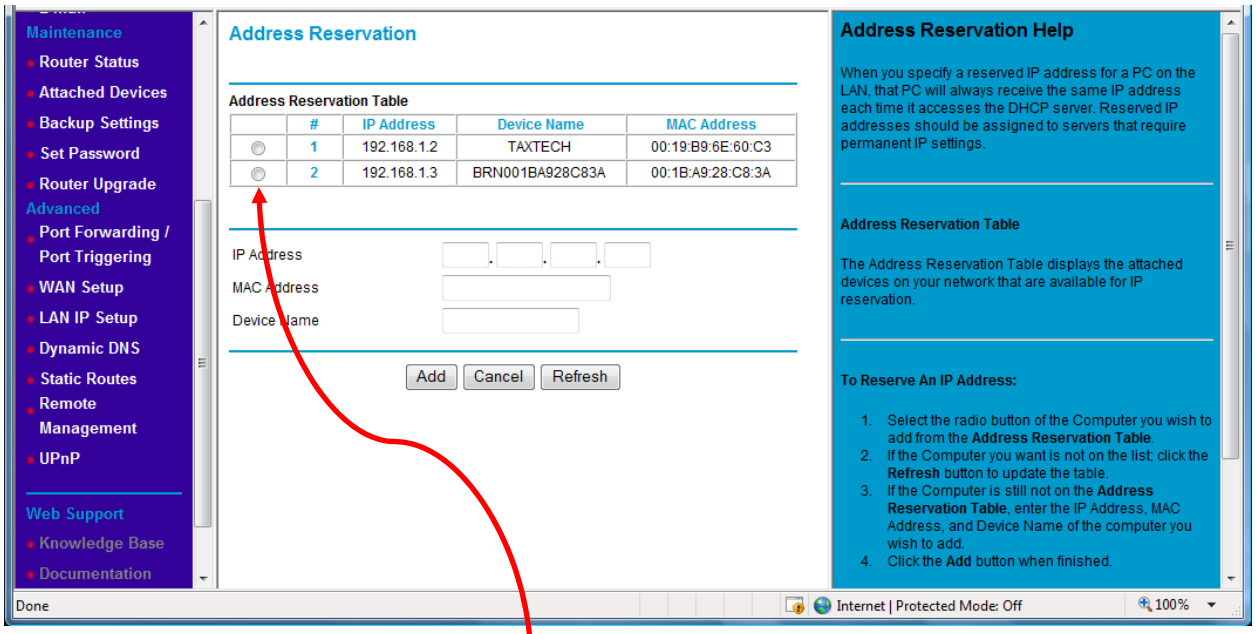
1. Connect to the NetGear RP-614 router web server at http://192.168.1.1/ and log in.

2. Click on LAN IP Settings (in the purple area on the left) to see this page:

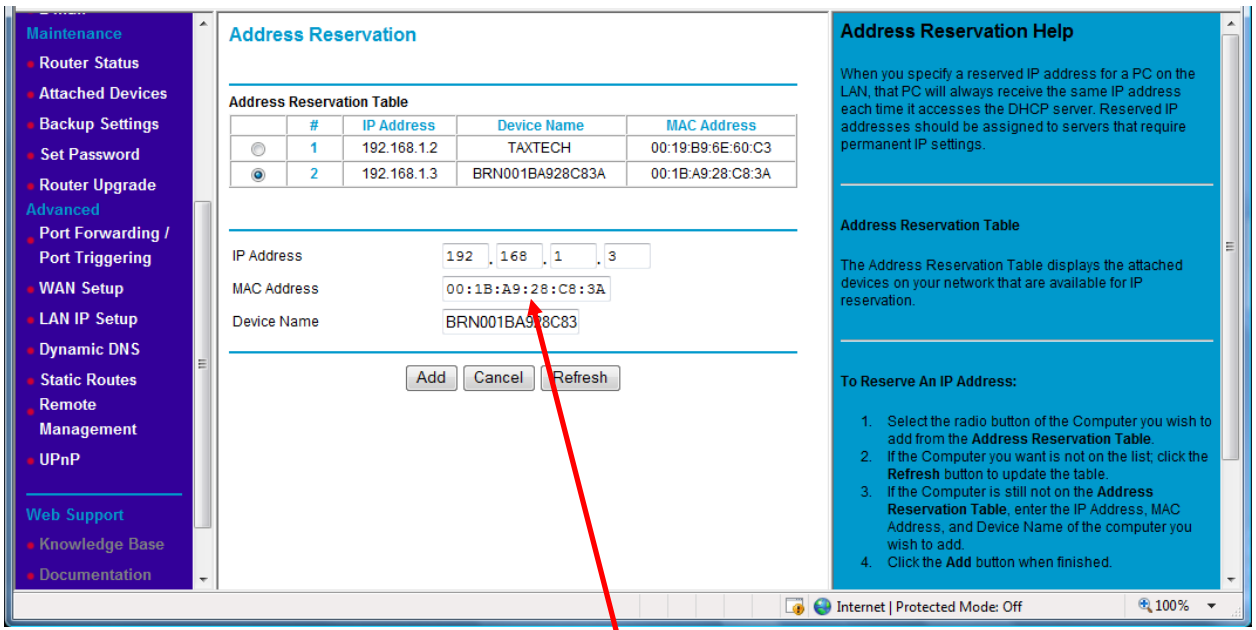

NETGEAR Router - Internet Explorer provided by Dell
http://192.168.1.1/
NETGEAR
SMARTWIZARD
router manager
Cable/DSL Web Safe Router model RP614v4
Maintenance
Router Status
Attached Devices
Backup Settings
Set Password
Router Upgrade
Advanced
Port Forwarding / Port Triggering
WAN Setup
LAN IP Setup
Dynamic DNS
Static Routes
Remote Management
UPnP
Web Support
Knowledge Base
Documentation
LAN IP Setup
LAN TCP/IP Setup
IP Address 192 168 1 1
IP Subnet Mask 255 255 255 0
RIP Direction None
RIP Version Disabled
Use Router as DHCP Server
Starting IP Address 192 168 1 2
Ending IP Address 192 168 1 254
Address Reservation
IP Address Device Name MAC Address
1 192.168.1.50 NPI1F9A16 00:1F:29:1F:9A:16
Add Edit Delete
Apply Cancel
LAN IP Setup Help
The DHCP and TCP/IP default values work for most users.
LAN TCP/IP Setup
These are advanced settings that you may configure if you are a network administrator and your network contains multiple routers. If you make any changes to these settings you will need to restart your computer(s) for the settings to take effect.
IP Address: Type the IP address of your router in dotted decimal notation (factory default: 192.168.1.1).
IP Subnet Mask: The subnet mask specifies the network number portion of an IP address. Your router will automatically calculate the subnet mask based on the IP address that you assign. Unless you are implementing subnetting, use 255.255.255.0 as the subnet mask (computed by the router).
RIP Direction: RIP (Routing Information Protocol, RFC1058 and RFC1389) allows a router to exchange routing information with other routers. The RIP Direction selection controls how the router sends and receives RIP packets. None is the
Done
Internet | Protected Mode: Off
100%

3. In the Address Reservation section, click Add to display the next screen.

Configuring the Brother HL 5370DW

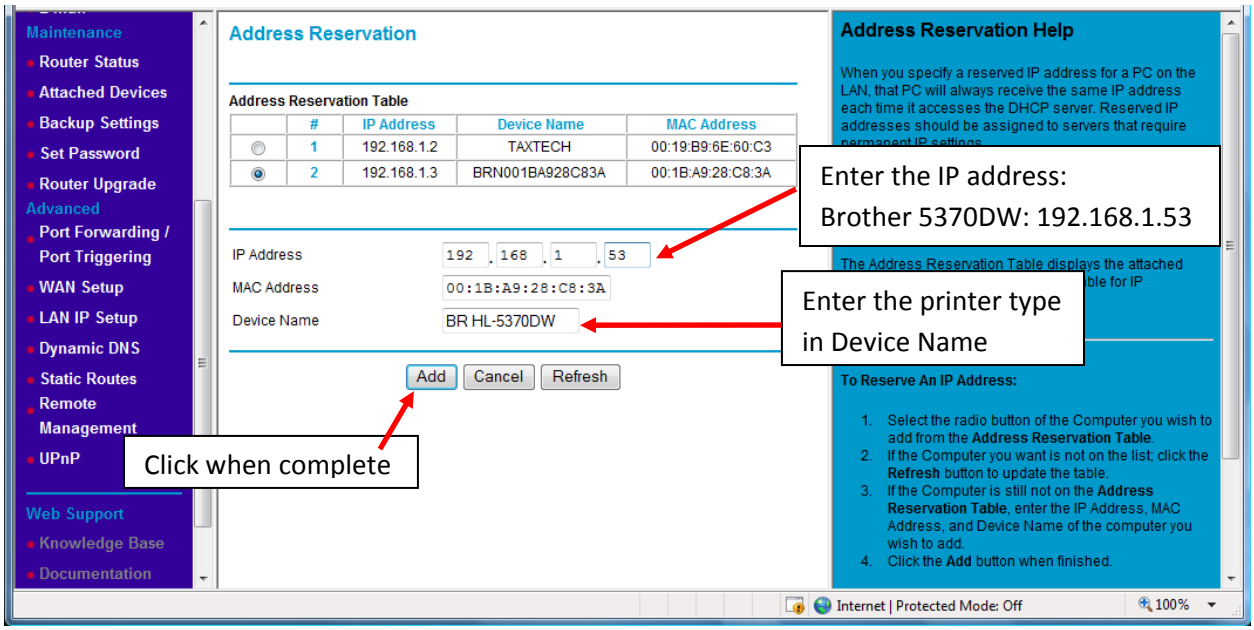

Maintenance
Router Status
Attached Devices
Backup Settings
Set Password
Router Upgrade
Advanced
Port Forwarding / Port Triggering
WAN Setup
LAN IP Setup
Dynamic DNS
Static Routes
Remote Management
UPnP
Web Support
Knowledge Base
Documentation
Address Reservation
Address Reservation Table
IP Address Device Name MAC Address
1 192.168.1.2 TAXTECH 00:19:B9:6E:60:C3
2 192.168.1.3 BRN001BA928C83A 00:1B:A9:28:C8:3A
IP Address
MAC Address
Device Name
Add Cancel Refresh
Address Reservation Help
When you specify a reserved IP address for a PC on the LAN, that PC will always receive the same IP address each time it accesses the DHCP server. Reserved IP addresses should be assigned to servers that require permanent IP settings.
Address Reservation Table
The Address Reservation Table displays the attached devices on your network that are available for IP reservation.
To Reserve An IP Address:
1. Select the radio button of the Computer you wish to add from the Address Reservation Table.
2. If the Computer you want is not on the list; click the Refresh button to update the table.
3. If the Computer is still not on the Address Reservation Table, enter the IP Address, MAC Address, and Device Name of the computer you wish to add.
4. Click the Add button when finished.
Done
Internet | Protected Mode: Off
100%

4. If the printer is on the network, select it. This will fill in the IP Address and MAC Address fields below the Address Reservation Table. (Printers may not show up in the table on this screen with a Device Name. If there is any doubt about which entry in the table corresponds to the printer, you can get the currently assigned IP Address and MAC Address for the printer by asking the printer to print a Self Test / Configuration page.)

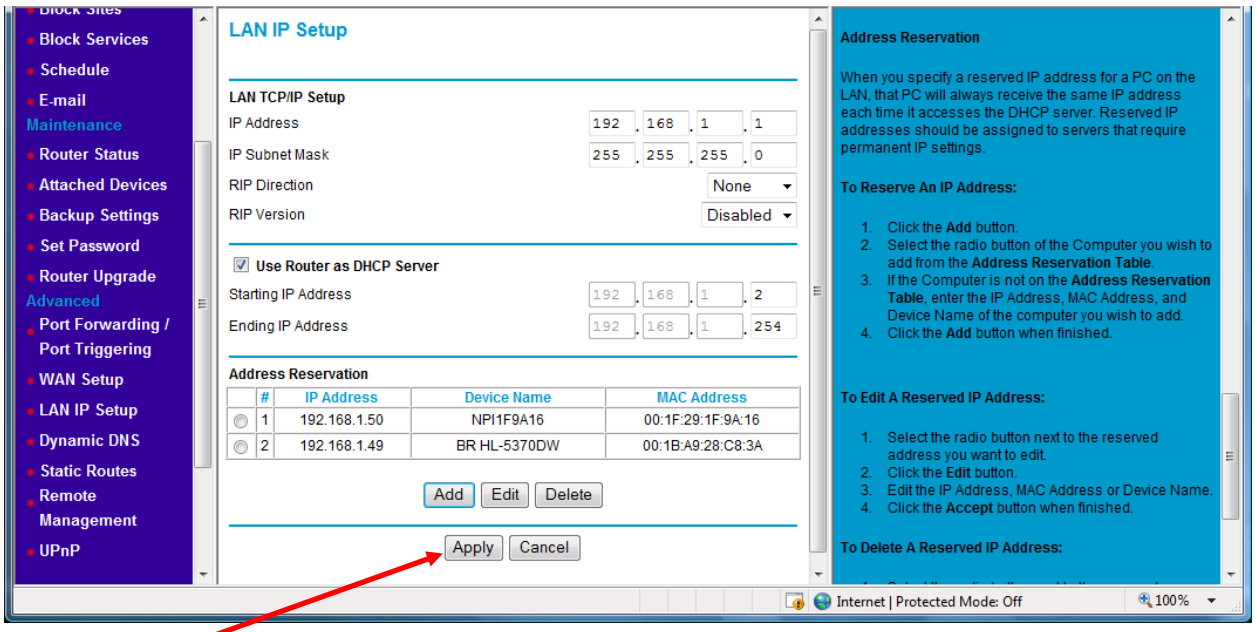

Maintenance
Router Status
Attached Devices
Backup Settings
Set Password
Router Upgrade
Advanced
Port Forwarding / Port Triggering
WAN Setup
LAN IP Setup
Dynamic DNS
Static Routes
Remote Management
UPnP
Web Support
Knowledge Base
Documentation
Address Reservation
Address Reservation Table
IP Address Device Name MAC Address
1 192.168.1.2 TAXTECH 00:19:B9:6E:60:C3
2 192.168.1.3 BRN001BA928C83A 00:1B:A9:28:C8:3A
IP Address 192 168 1 3
MAC Address 00:1B:A9:28:C8:3A
Device Name BRN001BA928C83
Add Cancel Refresh
Address Reservation Help
When you specify a reserved IP address for a PC on the LAN, that PC will always receive the same IP address each time it accesses the DHCP server. Reserved IP addresses should be assigned to servers that require permanent IP settings.
Address Reservation Table
The Address Reservation Table displays the attached devices on your network that are available for IP reservation.
To Reserve An IP Address:
1. Select the radio button of the Computer you wish to add from the Address Reservation Table.
2. If the Computer you want is not on the list; click the Refresh button to update the table.
3. If the Computer is still not on the Address Reservation Table, enter the IP Address, MAC Address, and Device Name of the computer you wish to add.
4. Click the Add button when finished.
Internet | Protected Mode: Off
100%

5. If the printer is not on the network, enter its MAC Address manually.

Configuring the Brother HL 5370DW


Maintenance
Router Status
Attached Devices
Backup Settings
Set Password
Router Upgrade
Advanced
Port Forwarding / Port Triggering
WAN Setup
LAN IP Setup
Dynamic DNS
Static Routes
Remote Management
UPnP
Web Support
Knowledge Base
Documentation
Address Reservation
Address Reservation Table
IP Address Device Name MAC Address
1 192.168.1.2 TAXTECH 00:19:B9:6E:60:C3
2 192.168.1.3 BRN001BA928C83A 00:1B:A9:28:C8:3A
IP Address 192 . 168 . 1 . 53
MAC Address 00:1B:A9:28:C8:3A
Device Name BR HL-5370DW
Add Cancel Refresh
Enter the IP address:
Brother 5370DW: 192.168.1.53
Enter the printer type in Device Name
Click when complete
Address Reservation Help
When you specify a reserved IP address for a PC on the LAN, that PC will always receive the same IP address each time it accesses the DHCP server. Reserved IP addresses should be assigned to servers that require
The Address Reservation Table displays the attached
To Reserve An IP Address:
1. Select the radio button of the Computer you wish to add from the Address Reservation Table.
2. If the Computer you want is not on the list; click the Refresh button to update the table.
3. If the Computer is still not on the Address Reservation Table, enter the IP Address, MAC Address, and Device Name of the computer you wish to add.
4. Click the Add button when finished.
Internet | Protected Mode: Off
100%

6. Enter the desired IP Address manually. Enter the printer type in Device Name, then click Add.


Block Services
Schedule
E-mail
Maintenance
Router Status
Attached Devices
Backup Settings
Set Password
Router Upgrade
Advanced
Port Forwarding / Port Triggering
WAN Setup
LAN IP Setup
Dynamic DNS
Static Routes
Remote Management
UPnP
LAN IP Setup
LAN TCP/IP Setup
IP Address 192 . 168 . 1 . 1
IP Subnet Mask 255 . 255 . 255 . 0
RIP Direction None
RIP Version Disabled
Use Router as DHCP Server
Starting IP Address 192 . 168 . 1 . 2
Ending IP Address 192 . 168 . 1 . 254
Address Reservation
IP Address Device Name MAC Address
1 192.168.1.50 NPI1F9A16 00:1F:29:1F:9A:16
2 192.168.1.49 BR HL-5370DW 00:1B:A9:28:C8:3A
Add Edit Delete
Apply Cancel
Address Reservation
When you specify a reserved IP address for a PC on the LAN, that PC will always receive the same IP address each time it accesses the DHCP server. Reserved IP addresses should be assigned to servers that require permanent IP settings.
To Reserve An IP Address:
1. Click the Add button.
2. Select the radio button of the Computer you wish to add from the Address Reservation Table.
3. If the Computer is not on the Address Reservation Table, enter the IP Address, MAC Address, and Device Name of the computer you wish to add.
4. Click the Add button when finished.
To Edit A Reserved IP Address:
1. Select the radio button next to the reserved address you want to edit.
2. Click the Edit button.
3. Edit the IP Address, MAC Address or Device Name.
4. Click the Accept button when finished.
To Delete A Reserved IP Address:
Internet | Protected Mode: Off
100%

7. Click the Apply button to save the updated Address Reservation table in the Router memory. (The router will need about 30 seconds to re-initialize itself.)

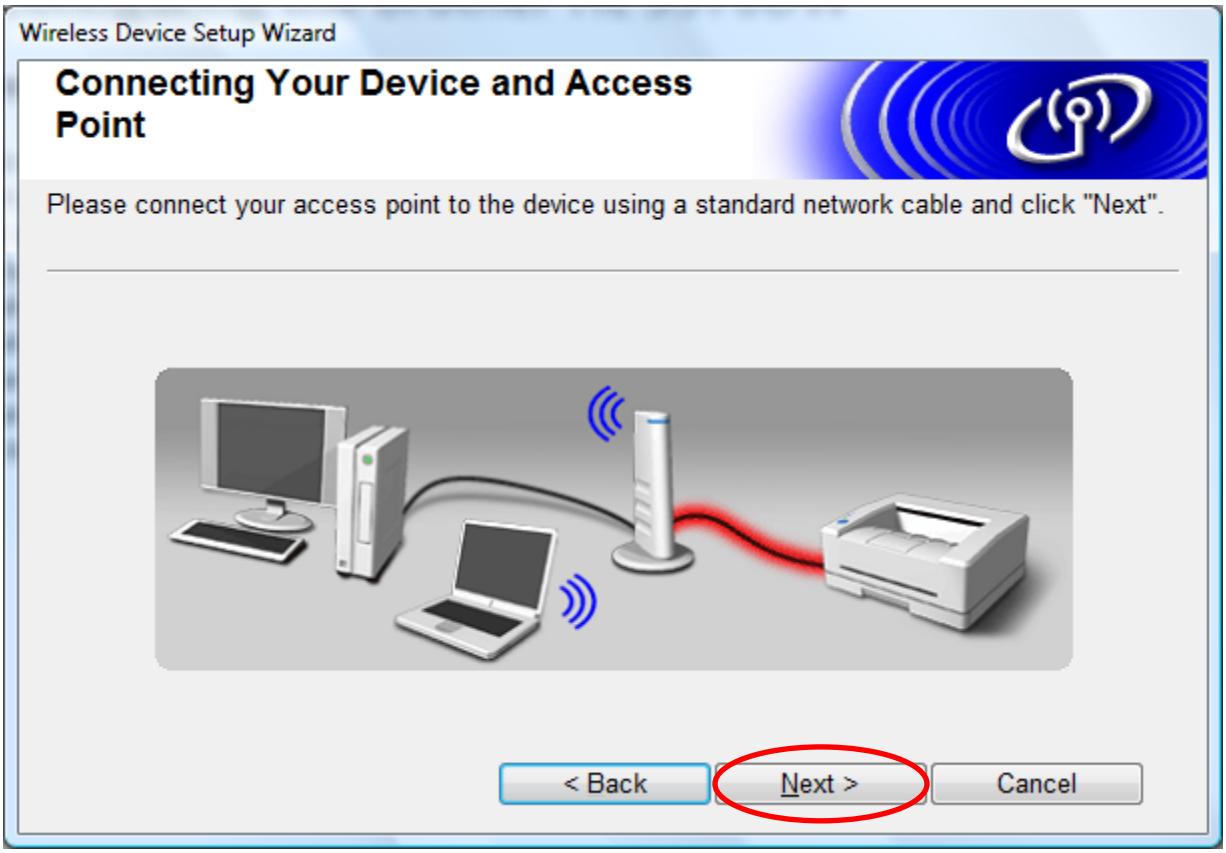
8. Logout of the router.

Configuring the Brother HL 5370DW

Detailed Wireless Printer Setup

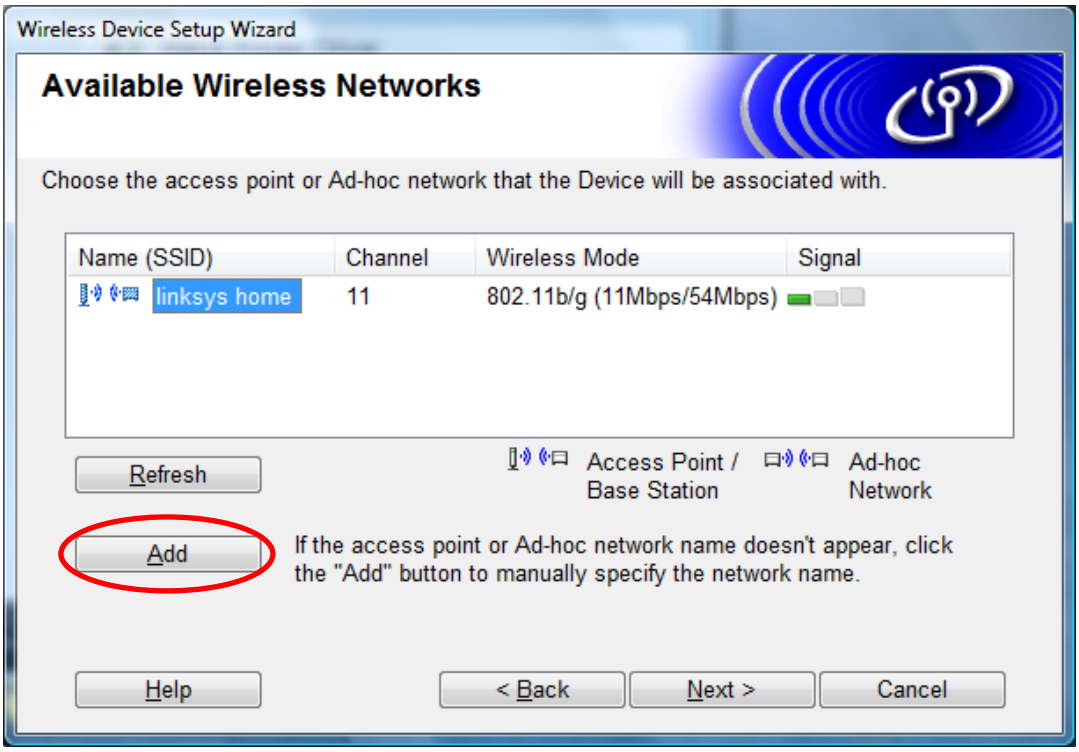
1. Run the Brother 5300 series CD. Answer the initial questions as follows:
    a. HL-5370 DW
    b. English
    c. Install Printer Driver for USA
    d. Wireless network users
    e. Wireless Installation Type: Wireless Setup Only
    f. Setting Up Wireless: Step by Step install
    g. With cable

2. Connect the printer to the WGR-614 router with an Ethernet cable and turn it on. Click Next.


Wireless Device Setup Wizard
Connecting Your Device and Access Point
Please connect your access point to the device using a standard network cable and click "Next".
< Back
Next >
Cancel

Configuring the Brother HL 5370DW

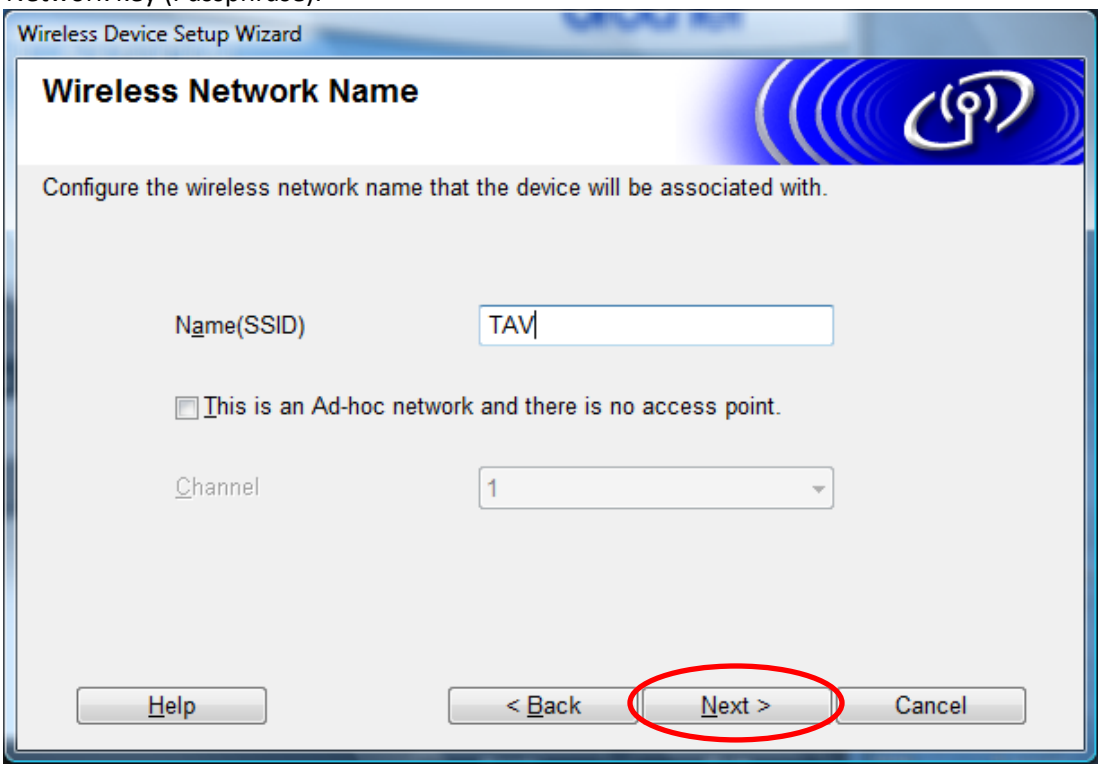
3. The wireless search utility should find the printer. Click Next.

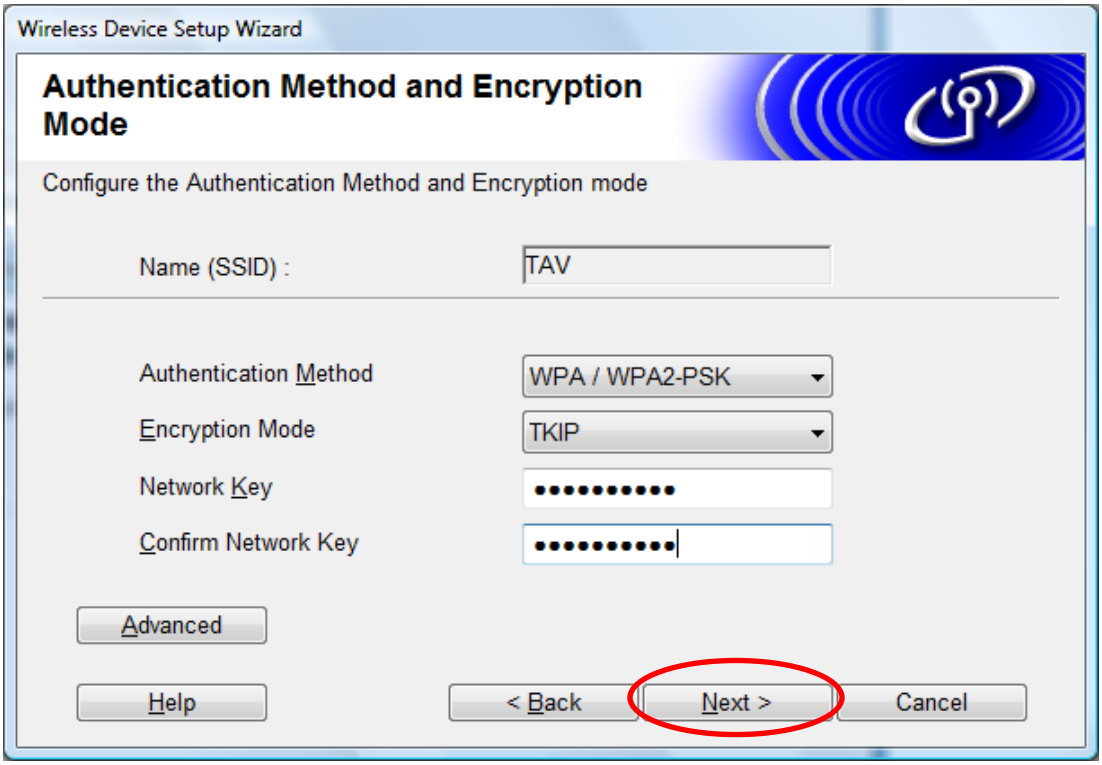


4. The wireless network search will not find networks not broadcasting the SSID. Click Add.

Configuring the Brother HL 5370DW

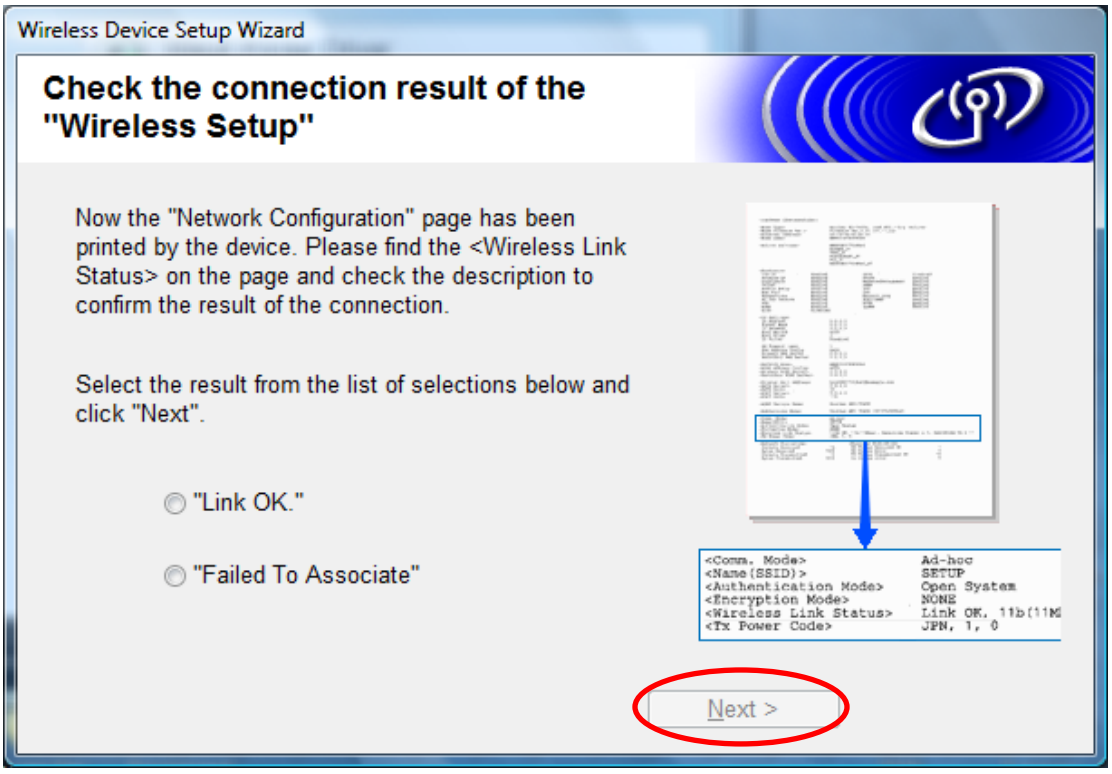
5. Then complete the following screens with SSID, Authentication Method, Encryption Mode and Network key (Passphrase).



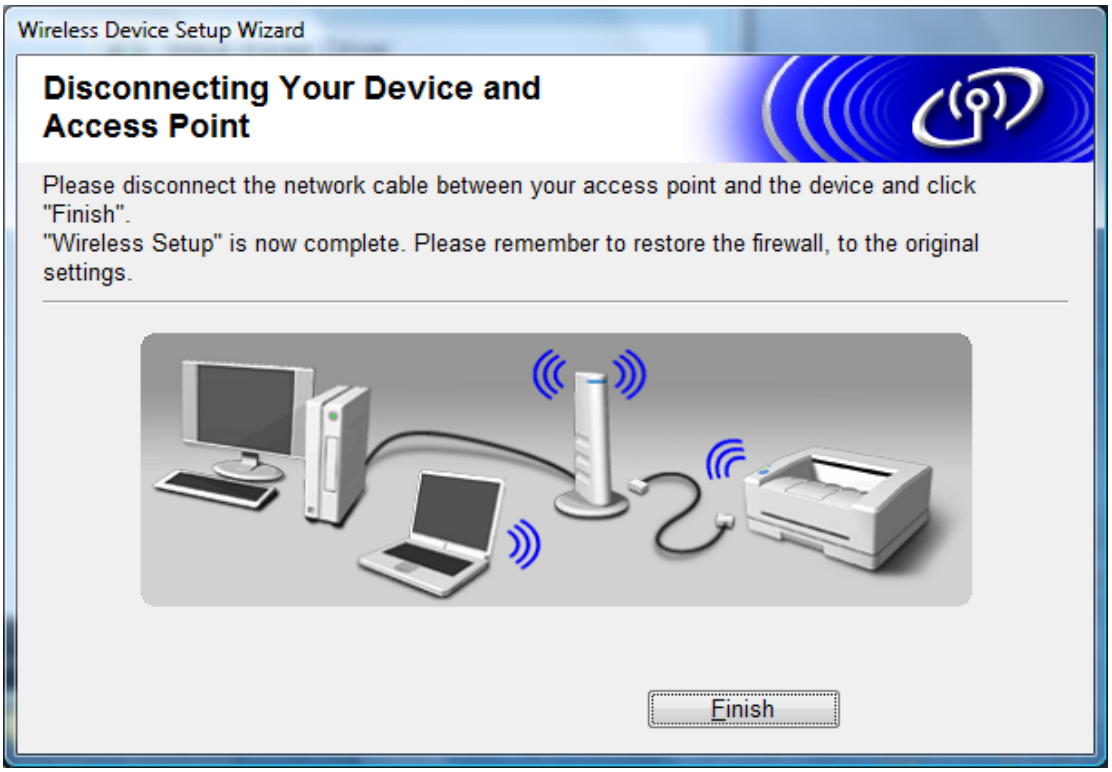


6. Click Next and be patient while the wireless link is established. A Network Configuration page will print.

Configuring the Brother HL 5370DW



7. Indicate the result and click Next.



8. The printer is now operating wirelessly.
9. Refer to “Fixed IP Address for Network Printers” to configure the wireless router.

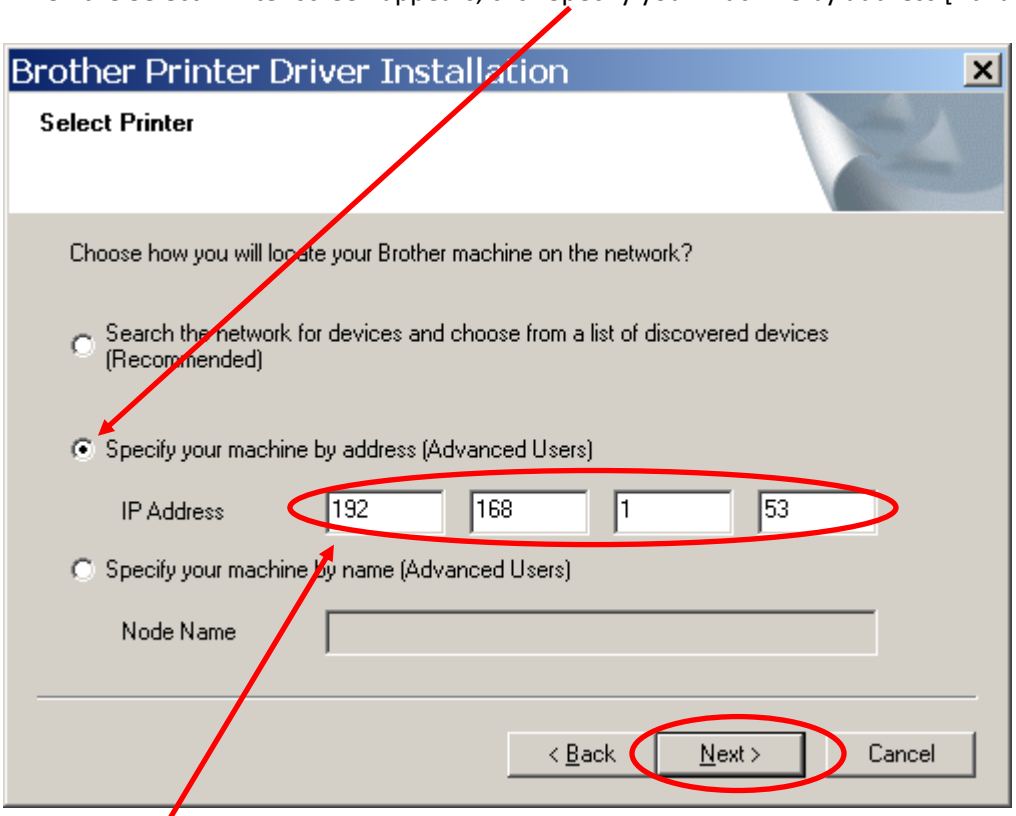
Once the IP address is set, install printer drivers.

Configuring the Brother HL 5370DW

Installing the Printer Driver

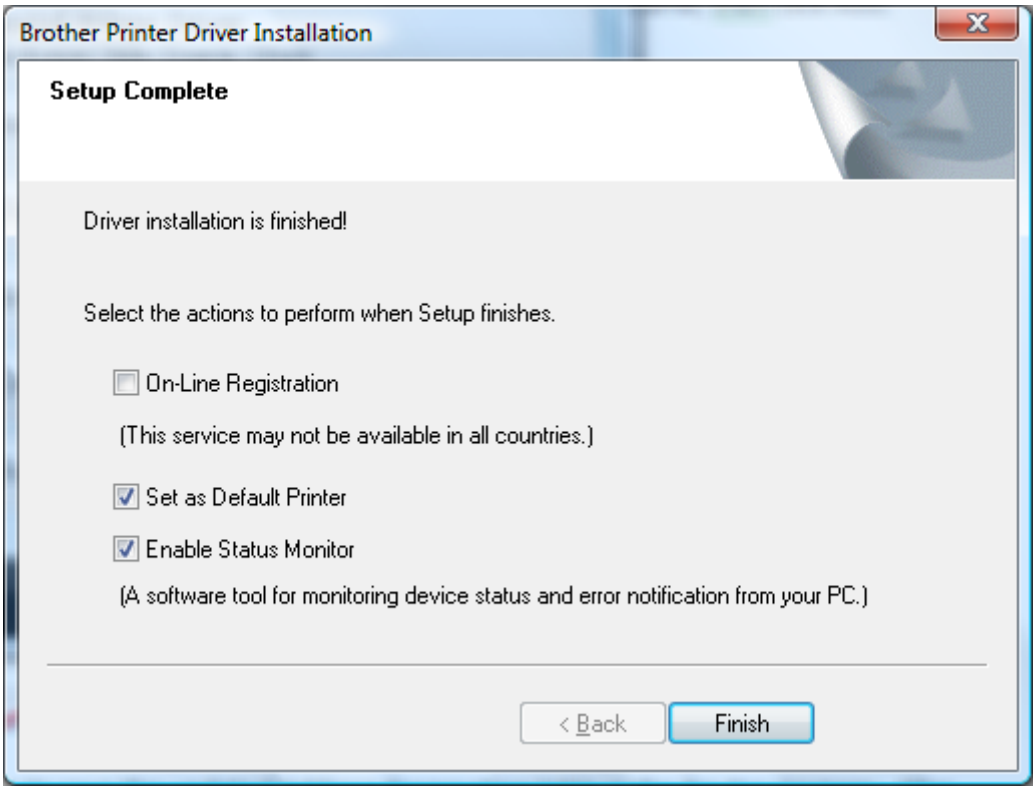
1. Run a driver appropriate for the operating system. Answer the initial questions as follows:
    a. HL-5370 DW
    b. English
    c. Install Printer Driver for USA
    a. Network cable users or Wireless Network users
        i. Wireless Installation Type: Driver Install Only
    d. License Agreement: Yes
    e. Brother Peer-to-Peer Network Printer

2. When the Select Printer screen appears, click Specify your machine by address [Advanced Users]


Brother Printer Driver Installation
Select Printer
Choose how you will locate your Brother machine on the network?
Search the network for devices and choose from a list of discovered devices (Recommended)
Specify your machine by address (Advanced Users)
IP Address
192
168
1
53
Specify your machine by name (Advanced Users)
Node Name
< Back
Next >
Cancel

3. Enter IP Address assigned by the router: 192.168.1.53, then click Next. Several windows may appear while the driver is being installed.

Configuring the Brother HL 5370DW

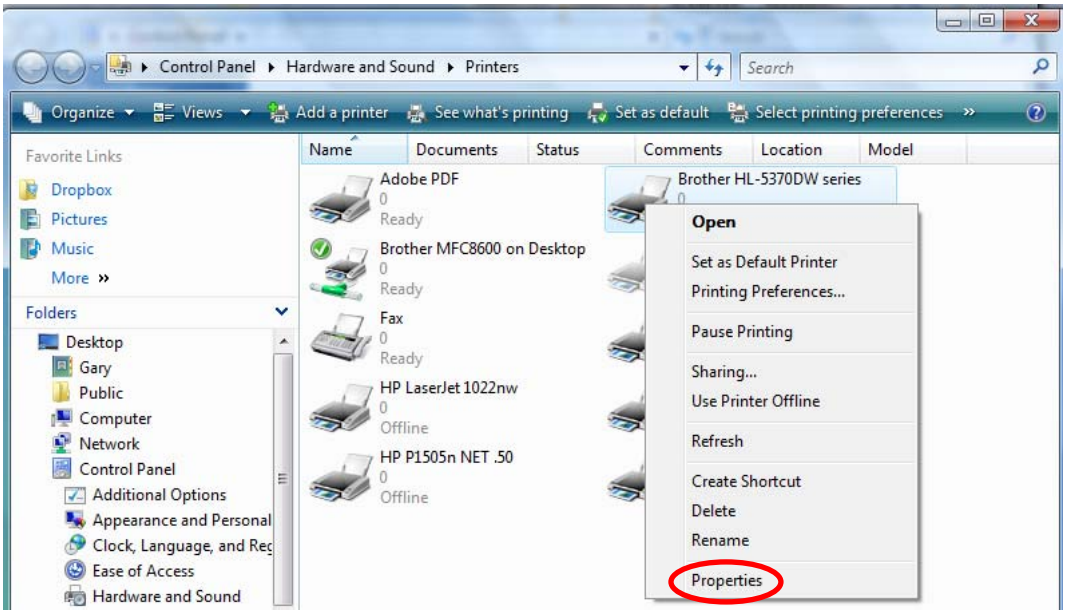

Brother Printer Driver Installation
Setup Complete
Driver installation is finished!
Select the actions to perform when Setup finishes.
On-Line Registration
(This service may not be available in all countries.)
Set as Default Printer
Enable Status Monitor
(A software tool for monitoring device status and error notification from your PC.)
< Back
Finish

4. Set as Default Printer if desired. Status Monitor is optional. Click Finish.
5. Exit the Printer Driver Installer.
6. Print a test page.

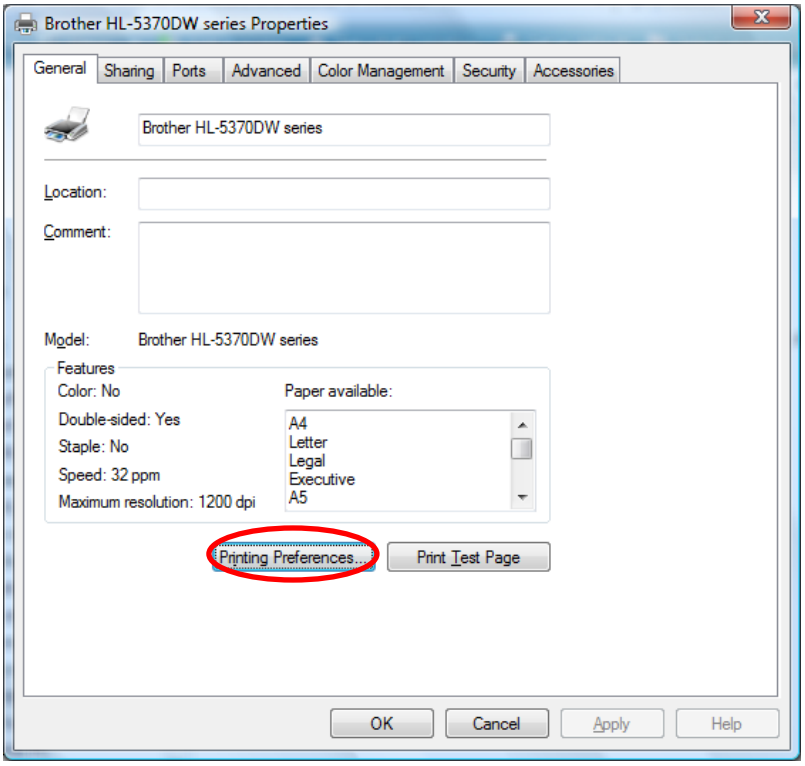
Configuring the Brother HL 5370DW

Automatic Duplex

1. Duplex mode can be changed from the default Off to On.

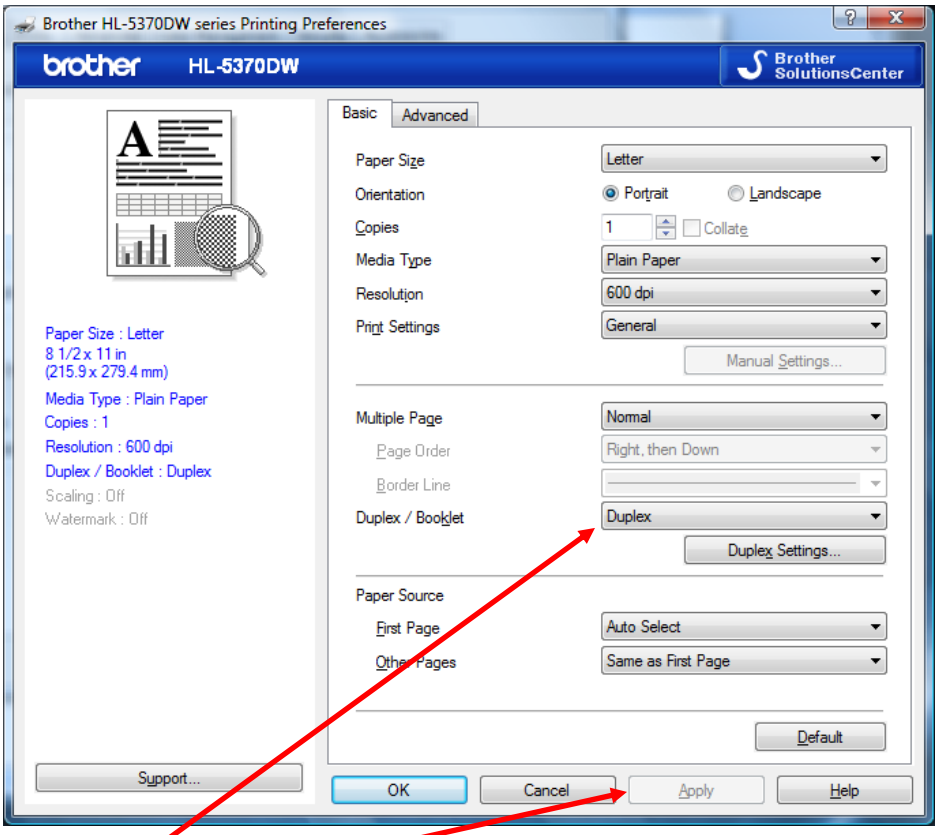


2. From the printer control panel, right click Brother HL-5370DW and select Properties



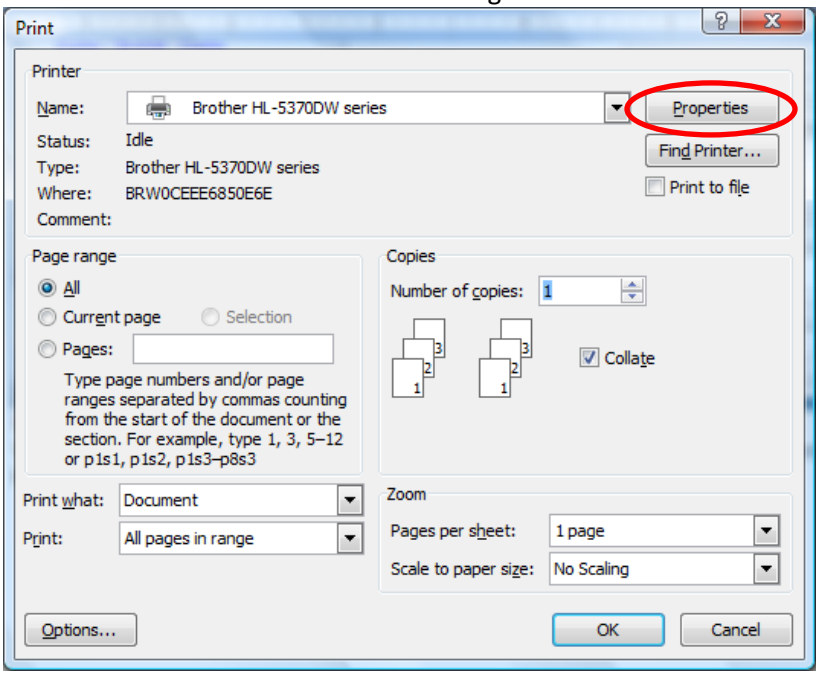
3. Click on Printing Preferences

Configuring the Brother HL 5370DW



4. Select Duplex, then click Apply followed by OK. This makes Duplex the default.

5. This preference can be changed when printing a document by selecting Properties from the Print menu. The default will not be changed.



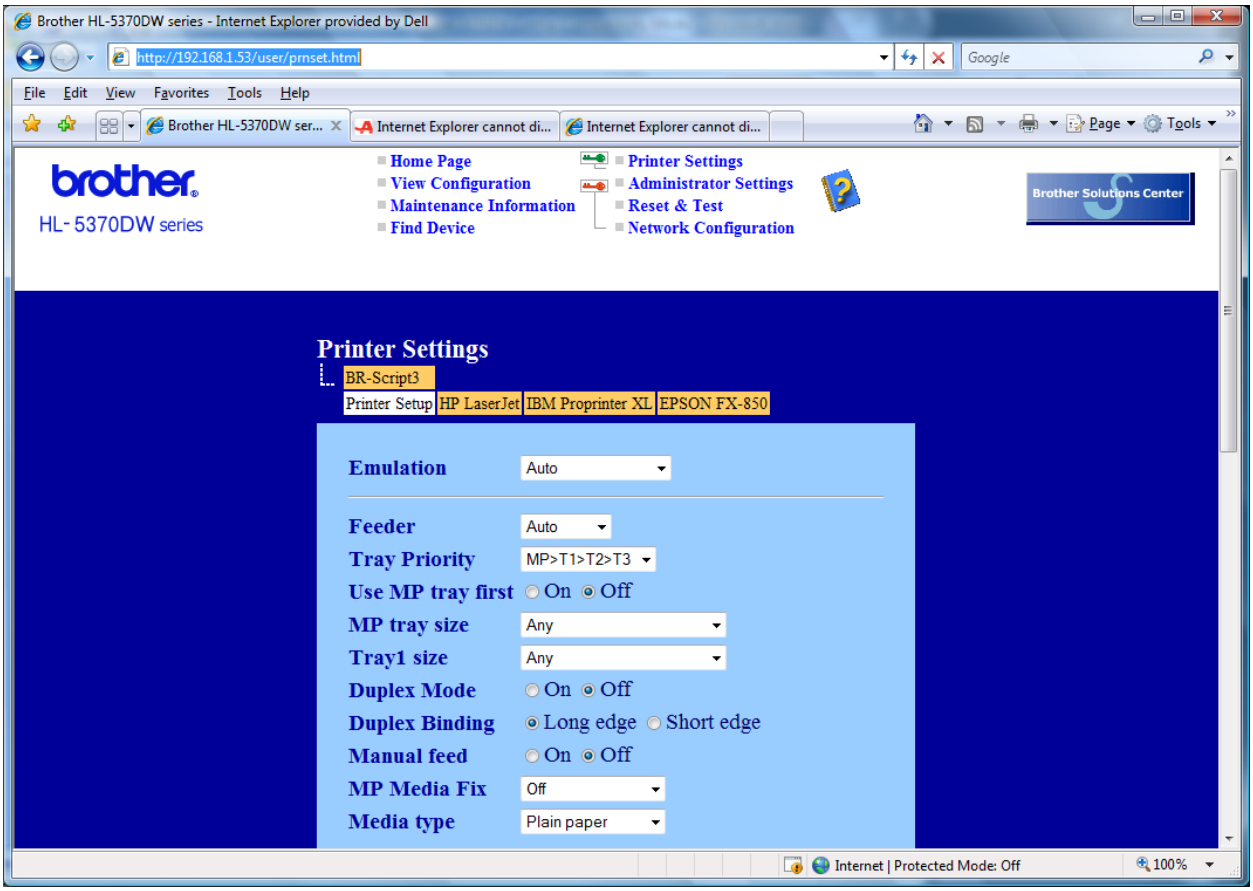
Configuring the Brother HL 5370DW

Printer Resets

1. Turn the printer off
2. Make sure the front cover is closed
3. Press and hold **Go** and turn the printer on
4. When all LEDs light up and the Status LED turns off, release **Go**
5. Press **Go**
    a. six times to reset all network settings
    b. eight times to reset all except network settings
    c. ten times to reset all factory settings

Accessing the printer's web server

1. Access the printer web server at http://192.168.1.53/
2. Click on Printer Settings and use the default 'user' login and 'access' password



3. The Administrator default 'admin' login and 'access' password can access Printer Settings as well as Administrator Settings, Reset & Test and Network Configuration.

Configuring the Brother HL 5370DW

Changing between Ethernet Cable and Wireless

To determine the network mode

View status lights on back of printer. Steady green light below USB port means wireless is active. If the Ethernet connection is active, with a cable connected the green light on the Ethernet port will be on and the orange light will be on if the connection is high speed.
Otherwise:

1. Press **Go** for 10 seconds. Release when the Network Configuration begins to print.
2. <Node Type> will be IEEE 802.22b/g (Active) if in the wireless mode, Ethernet 10/100Base-TX (Active) if on cable

> **Note:** When changing the printer network mode between wired and wireless, the printer MAC address changes. To use the router's Address Reservation feature, ensure the reserved IP address is for the correct MAC address.

To change from Wireless to Network Cable

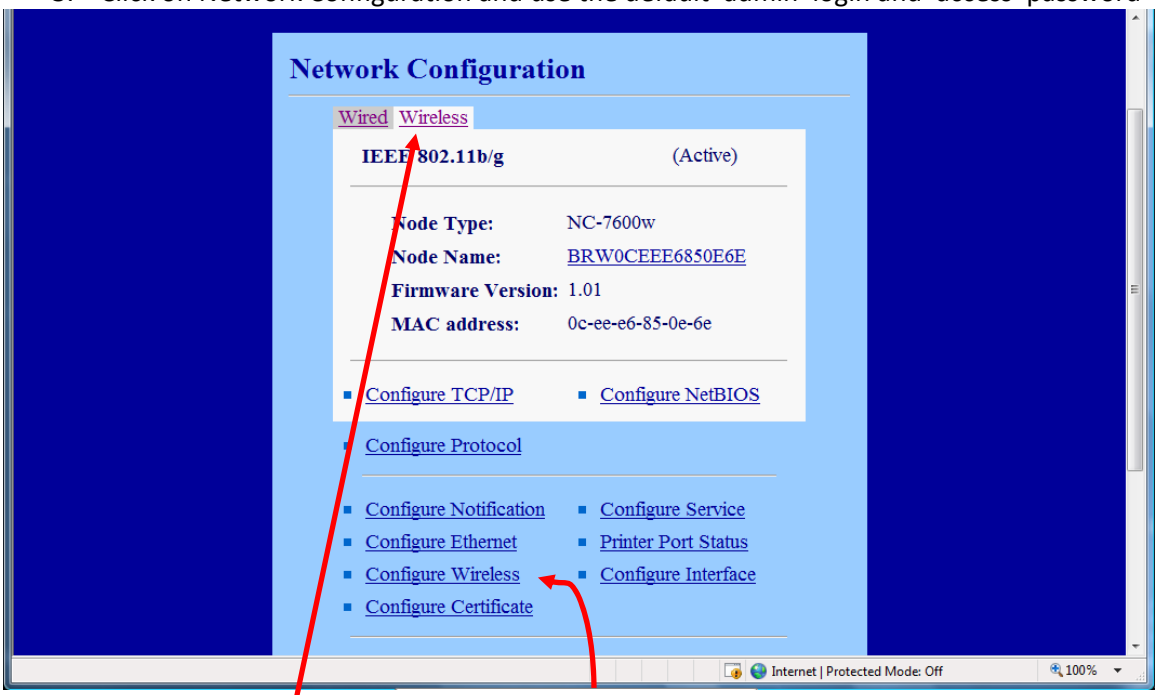
1. Turn the printer off, connect the network cable and turn the printer on.
2. If the printer remains in wireless mode, restore all factory settings to default [see Printer Resets above]

To change from Network Cable to Wireless

Set the wireless configuration. See "Detailed Wireless Printer Setup" earlier in this guideline.

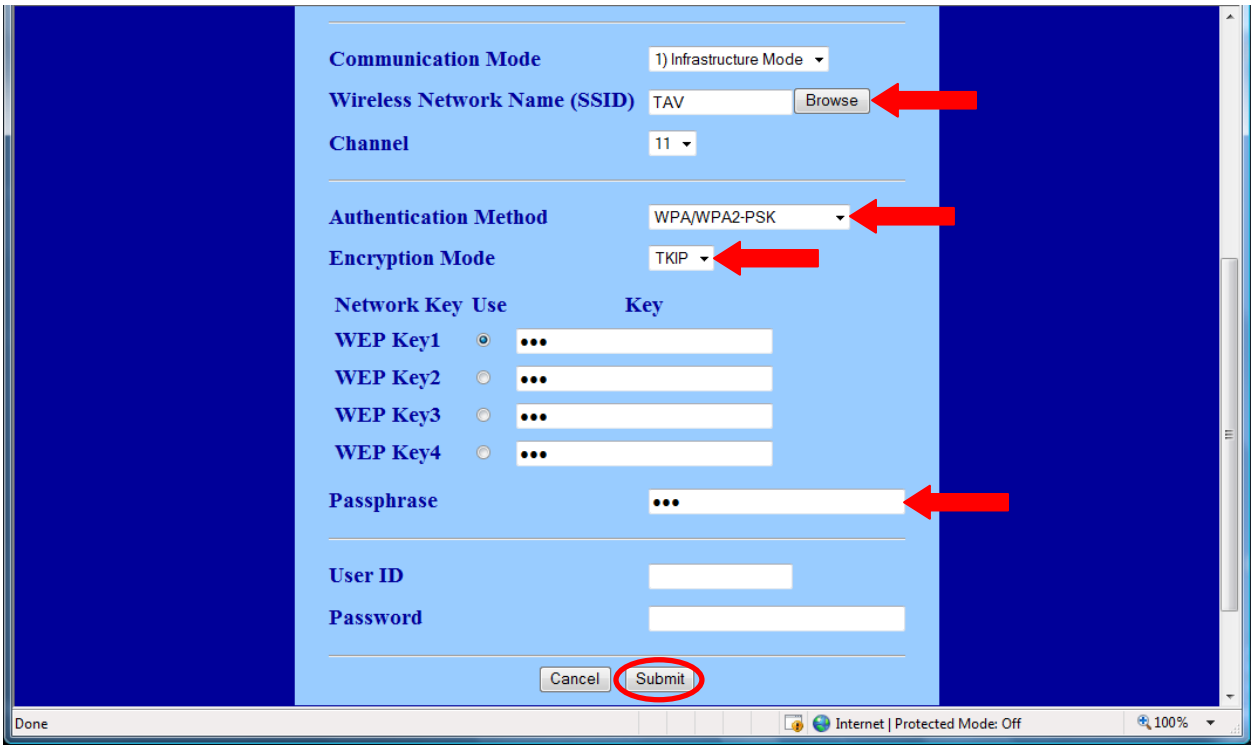
An alternative method:

1. Turn the printer on and connect to the network with a network cable
2. Log on to the printer web server at http://192.168.1.53/
3. Click on Network Configuration and use the default 'admin' login and 'access' password



4. Click on the Wireless tab then on Configure Wireless

Configuring the Brother HL 5370DW



5. Enter the SSID, Authentication Method, Encryption Mode and Passphrase. Click Submit.
6. A Network Configuration page will print which will indicate the <Node Type>: IEEE 802.22b/g (Active) if in the wireless mode, (Inactive) for Ethernet cable
7. If the <Node Type> is IEEE 802.22b/g (Inactive), the printer is still in the cable mode. Reset the network settings to factory default and start the process again.
8. If the <Node Type> is IEEE 802.22b/g (Active), the printer is in the wireless mode